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HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY ENVIRONMENTAL SERVICES

Certified Mail No.

Activity No.: PER20080001
Agency Interest No. 80537

Mr. Korey Hinkle
Vice President of Applied Wastewater System
Pentair Pump Group Inc - Delta Environmental Products
PO Box 969
Denham Springs, LA 70727

RE: Part 70 Operating Permit, Pentair Pump Group Inc - Delta Environmental Products, Denham Springs Operations, Denham Springs, Livingston Parish, Louisiana

Dear Mr. Hinkle:

This is to inform you that the permit renewal and modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2014, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2009.

Permit No.: 1740-00014-V4

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
CSN:trg
c: EPA Region VI

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

Pentair Pump Group Inc - Delta Environmental Products, Denham Springs Operations
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Pentair Pump Group Inc
Denham Springs, Livingston Parish, Louisiana

I. Background

Pentair Pump Group Inc – Delta Environmental Products, Denham Springs Operations owns and operates a fiberglass products manufacturing facility. The facility is located at 8275 Florida Blvd in Denham Springs, Livingston Parish, Louisiana. It was constructed by Delta and has been in operation since 1984. Pentair Pump Group Inc – Delta Environmental Products purchased the facility and the transfer became effective February 23, 2005. The facility was granted a minor source state Permit No. 1740-00014-00 in August 1992. The facility's initial Part 70 Operating Permit No. 1740-00014-V0 was issued on June 11, 1999.

A request to expand the fiberglass products manufacturing building, delete stacks 2D, 2E, and 2F previously permitted but never erected, release the fugitive styrene emissions from the manufacturing process through the building's three existing stacks (2A-2C) and through a fourth new stack (2G), Process CAP, capture particulate matters emissions from indoor grinding through an existing air handling system, thus eliminating the need for the initially permitted stacks 6A - 6C, and use of up to 250 gallons of gel coat, was granted and Permit No. 1740-00014-V1 was issued on February 26, 2002.

A modification consisting of the installation of a Filtration System Vent Stack, Emission Point 7, to vent particulate matters (PM_{10}) emissions, from the recently added grinding area was approved and Permit No. 1740-00014-V2 was granted June 26, 2002. The facility is currently operating under Permit No. 1740-00014-V3 issued March 13, 2005 and amended on March 14, 2005.

This is the Part 70 operating permit for the facility.

II. Origin

A permit renewal application and Emission Inventory Questionnaire were submitted by Pentair Pump Group Inc – Delta Environmental Products on October 31, 2008 requesting a Part 70 operating permit along with supplemental information received on December 19, 2008.

III. Description

Pentair Pump Group Inc – Delta Environmental Products manufactures molded fiberglass products such as septic tanks, aeration tanks, and piping. The fiberglass manufacturing process employed is an open mold spray lay-up process. The open mold process uses non-atomized mechanical spraying and chopping equipment for depositing the resin and glass

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fiber reinforcement. The resin mix is merged with the cut strips of glass fiber to pre-coat the fibers before being deposited onto the molded surface. The process is repeated until the desired thickness is obtained. A gel coat may be applied to the mold prior to fabrication to produce a more desirable surface finish. During the open air curing process of the fiberglass products, styrene in the resin is released. Other emissions are fugitive VOCs and particulate emissions (PM_{10}) from painting, and particulate emissions (PM_{10}) from sandblasting and grinding operations. Most of the grinding is conducted indoor in two enclosed areas one within the main manufacturing building and the other within its extension. Air from the first area is routed through an air handling system, thereby eliminating release of particulate matters (PM_{10}) to the atmosphere. Particulate matter (PM_{10}) emissions from the second grinding area, is released through the cartridge filter fitted stack (Filtration System Vent Stack-EQT002), with emission reduction efficiency of 99%. Some grinding takes place outdoors and is accounted for in the Grinding Operations emission point (FUG 003).

Emissions from the facility originate mainly from the fiberglass products manufacturing and related activities (styrene capped at 41.32 tons/yr).

The facility uses approximately 950 tons of resin and gel coat per year.

Pentair Pump Group Inc – Delta Environmental Products proposes to renew the permit for the subject facility. The facility also proposed to modify the fiberglass manufacturing process by adding an automated vertical winder which may use either an atomized application tip or a non-atomized application tip.

Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	1.97	1.01	-0.96
SO ₂	-	-	
NO _x	-	-	
CO	-	-	
VOC *	52.41	42.87	-9.54

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***VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

Pollutant	Before	After	Change
Ethylbenzene	0.50	0.15	-0.35
Methanol	0.28	0.09	-0.19
Styrene	48.16	41.32	-6.84
Xylene	2.98	0.90	-2.08
Total TAPs	51.92	42.46	-9.46

Other VOC (TPY): 0.41

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, and the National Emission Standards for Hazardous Air Pollutants (NESHAP). New Source Performance Standards (NSPS) and Prevention of Significant Deterioration (PSD) do not apply.

Toxic air pollutants emitted from this facility include styrene, ethylbenzene, methanol and xylene. This facility is a major source of Toxic Air Pollutants (TAPs) per LAC 33:III.Chapter 51. Styrene emissions of 41.32 tons per year are above the minimum emission rate (MER) under Louisiana Air Toxic Regulations. The facility is subject to Maximum Achievable Control Technology (MACT) per LAC 33:III.5109. Proposals for compliance with state MACT were approved on January 22, 1999, and February 1, 2001.

The facility is also subject to 40 CFR 63 Subpart WWW - National Emissions Standards of Hazardous Air Pollutants: Reinforced Plastic Composites Production, and shall satisfy its applicable state MACT requirements.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title

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V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 200X; and in the <local paper>, <local town>, on <date>, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Emissions associated with the proposed modification were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

VIII. General Condition XVII Activities

Work Activity	Schedule	Emission Rates - tons			
		PM ₁₀	SO ₂	NO _X	CO

IX. Insignificant Activities

ID No.:	Description	(Max) Capacity	Citation
IA-01	Burner RAU-1	2.43 MM BTU/hr	LAC 33:III.501.B.5.A.1
IA-02	Burner RAU-2	1.80 MM BTU/hr	LAC 33:III.501.B.5.A.1
NA	Kerosene fired Heater	0.17 MM BTU/hr	LAC 33:III.501.B.5.A.5
NA	Kerosene fired Heater	0.15 MM BTU/hr	LAC 33:III.501.B.5.A.5
NA	Kerosene fired Heater	0.15 MM BTU/hr	LAC 33:III.501.B.5.A.5
NA	Kerosene fired Heater	0.15 MM BTU/hr	LAC 33:III.501.B.5.A.5
NA	Kerosene fired Heater	0.15 MM BTU/hr	LAC 33:III.501.B.5.A.5

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	2103	2104*	2107	2113	2115	2116*	2123	22	29*	51*	53*	56	59*
UNF1	Facility wide	1		1	1	1								1		1	1	1	3	3
ARE1	Painting and Blasting					1									1					
EQT1	Fiberglass Resin Storage Tank																			1
EQT2	Filtration System Vent Stack																			
FUG1	Fiberglass Process Fugitive Emissions																			1
FUG3	Grinding Operations																			
FUG4	Fiberglass Process Fugitive Emissions																			1
FUG5	Fiberglass Process Fugitive Emissions																			1
FUG6	Fiberglass Process Fugitive Emissions																			1
GRP1	PROCESS CAP																			1

* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

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KEY TO MATRIX

- 1 -The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	40 CFR 60 NSPS						40 CFR 61			40 CFR 63 NESHPAP			40 CFR				
		A	K	Ka	Kb	Db	Dc	GG	KKK	III	A	J	V	A	HHHHHH	WWWW	64	68
UNF1	Facility wide													1		1	3	3
ARE1	Painting and Blasting														3			
EQT1	Fiberglass Resin Storage Tank															1		
EQT2	Filtration System Vent Stack															1		
FUG1	Fiberglass Process Fugitive Emissions													1				
FUG3	Grinding Operations																	
FUG4	Fiberglass Process Fugitive Emissions													1				
FUG5	Fiberglass Process Fugitive Emissions													1				
FUG6	Fiberglass Process Fugitive Emissions													1				
GRP1	PROCESS CAP																	

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- 2** -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3** -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT 1 Fiberglass Resin Storage Tank	NSPS Subpart Ka – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commences after May 18, 1978, and Prior to July 23, 1984. [40 CFR 60.110a]	DOES NOT APPLY. Storage tank does not store petroleum liquids (Diesel No. 2 to No. 6 fuel are not petroleum liquids per 40CFR 60.111(a) Definitions).
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	EXEMPT. The stored commodity's vapor pressure is less than 1.5 psia.
	LAC 33:III.2103.A	DOES NOT APPLY. The resin has a true vapor pressure of less than 1.5psia.
ARE 1 Painting and Blasting	NESHAP Subpart HHHHHH-National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources	DOES NOT APPLY. The facility is a major source of the regulated HAPs.
	LAC 33:III.2123 Organic Solvents	Exempt. Record and maintain information to verify exempt status
UNFI Entire Facility	Compliance Assurance Monitoring. [40 CFR 64] Chemical Accident Prevention Provisions. [40 CFR 68]	DOES NOT APPLY. The Pre-Control PM ₁₀ emissions are less than 100 tons/yr. DOES NOT APPLY. Styrene is not one of the 77 regulated substances.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1; E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
 - 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];

40 CFR PART 70 GENERAL CONDITIONS

2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)] .
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

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- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;

40 CFR PART 70 GENERAL CONDITIONS

4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 5. changes in emissions would not qualify as a significant modification; and
 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]

40 CFR PART 70 GENERAL CONDITIONS

- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
 - 1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 - 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 - 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 - 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 - 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 - 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]
- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- II. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated October 31, 2008 along with supplemental information received on December 19, 2008.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.
- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
 - A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

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GENERAL CONDITIONS**

- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
 2. Report by September 30 to cover April through June
 3. Report by December 31 to cover July through September
 4. Report by March 31 to cover October through December
- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services in accordance with LAC 33:I.Chapter 19.Facility Name and Ownership/Operator Changes Process.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]
- These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.
- XVIII. Provisions of the permit may be appealed to the secretary in writing pursuant to La. R.S. 30:2024(A) within 30 days from notice of the permit action. A request may be made to the secretary to suspend those provisions of the permit specifically appealed. The permit remains in effect to the extent that the secretary or assistant secretary does not elect to suspend the appealed provisions as requested or, at his discretion, other permit provisions as well. Construction cannot proceed, except as specifically approved by the secretary or

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

assistant secretary, until a final decision has been rendered on the appeal. A request for hearing must be sent to the Office of the Secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. For Part 70 sources, certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

All ID: 80537 Pentair Pump Group Inc - Delta Environmental Products
Activity Number: PER20080001
Permit Number: 1740-00014-V4
Air - Title V Regular Permit Renewal

Also Known As:	ID	Name	User Group	Start Date
	1740-00014	Pentair Pump Group Inc - Delta Environmental Products	CDS Number	02-26-2002
LAR000036939		Delta Environmental Products Inc	Hazardous Waste Notification	08-25-1999
LAR05N074		LPDES #	LPDES Permit #	09-21-2001
LAR05N681		LPDES #	LPDES Permit #	10-01-2005
		Pentair Pump Group Inc - Delta Environmental Products - Denham Springs Operations Split from AI 2964 TRI #	Multimedia	09-13-1999
	70727DLTPR9929F		Toxic Release Inventory	07-09-2004
Physical Location:			Main FAX:	4192812590
			Main Phone:	2256651666
Mailing Address:				
Location of Front Gate:				
Related People:				
Related Organizations:				
NAIC Codes:				

General Information

AI ID: 80537 Pentair Pump Group Inc - Delta Environmental Products
Activity Number: PER20080001
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Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Feirand, Environmental Assistance Division, at (225) 219-0775 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 80537 - Pentair Pump Group Inc - Delta Environmental Products
 Activity Number: PER20080001
 Permit Number: 1740-00014-V4
 Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Entire Facility						
ARE 0001	4 - Painting and Blasting		6 gallons/hr	6 gallons/hr	Mixed Paint/Thinner	500 hr/yr
EQT 0001	5 - Fiberglass Resin Storage Tank	280000 gallons/yr	280000 gallons/yr	280000 gallons/yr	Unsaturated Polyester Resin	8750 hr/yr
EQT 0002	7 - Filtration System Vent Stack	90000 ft^3/hr	90000 ft^3/hr	90000 ft^3/hr		5600 hr/yr
FUG 0001	2a - Fiberglass Process Fugitive Emissions					5600 hr/yr
FUG 0003	6 - Grinding Operations					5600 hr/yr
FUG 0004	2b - Fiberglass Process Fugitive Emissions	90000 ft^3/hr	90000 ft^3/hr	90000 ft^3/hr		5600 hr/yr
FUG 0005	2c - Fiberglass Process Fugitive Emissions	108000 ft^3/hr	108000 ft^3/hr	108000 ft^3/hr		5600 hr/yr
FUG 0006	2g - Fiberglass Process Fugitive Emissions	90000 ft^3/hr	90000 ft^3/hr	90000 ft^3/hr		5600 hr/yr

Relationships:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
Entire Facility							
EQT 0002	7 - Filtration System Vent Stack	37.5	25000	11.1	11.1	35	90
FUG 0001	2a - Fiberglass Process Fugitive Emissions	73.3	15000	2.08	2.08	26	
FUG 0004	2b - Fiberglass Process Fugitive Emissions	73.3	15000	2.08	2.08	26	
FUG 0005	2c - Fiberglass Process Fugitive Emissions	74.1	15000	2.27	2.27	26	
FUG 0006	2g - Fiberglass Process Fugitive Emissions	73.3	15000	2.08	2.08	26	

Subject Item Groups:

ID	Description	Vents to	Relationship	ID	Description
FUG 0003	6 - Grinding Operations			EQT 0002	7 - Filtration System Vent Stack

Group Membership:

ID	Description	Group Type	Group Description	Member of Groups
GRP 0001	Equipment Group		PROCESS CAP - Fiberglass Manufacturing Building	GRP0000000001
UNF 0001	Unit or Facility Wide		Entire Facility - Entire Facility	GRP0000000001
FUG 0001	2a - Fiberglass Process Fugitive Emissions			
FUG 0004	2b - Fiberglass Process Fugitive Emissions			GRP0000000001
FUG 0005	2c - Fiberglass Process Fugitive Emissions			GRP0000000001
FUG 0006	2g - Fiberglass Process Fugitive Emissions			GRP0000000001

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

INVENTORIES

AI ID: 80537 - Pentair Pump Group Inc - Delta Environmental Products

Activity Number: PER20080001

Permit Number: 1740-00014-V4

Air - Title V Regular Permit Renewal

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multipier	Units Of Measure
0775	0775 Plastics Injection Moulding and Extrusion	1	Lines

SIC Codes:

3089 Plastics products, nec3089 AI 80537

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 80537 - Pentair Pump Group Inc - Delta Environmental Products
 Activity Number: PER20080001

Permit Number: 1740-00014-V4
 Air - Title V Regular Permit Renewal

Subject Item	PM10			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
Entire Facility						
ARE 0001	0.14	0.16	0.03	6.20	7.44	1.55
EQT 0001				<0.01	<0.01	<0.01
EQT 0002	0.10	0.12	0.28			
FUG 0001						16.09
FUG 0003	0.25	0.50	0.70			
FUG 0004						16.09
FUG 0005						16.09
FUG 0006						16.09
GRP 0001				14.76		41.32
PROCESS CAP						

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 80537 - Pentair Pump Group Inc - Delta Environmental Products

Activity Number: PER20080001

Permit Number: 1740-00014-V4

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
ARE 0001 4	Ethyl benzene	0.60	0.72	0.15
	Methanol	0.34	0.41	0.09
	Xylene (mixed isomers)	3.60	4.32	0.90
EOT 0001 5	Styrene	<0.01	<0.01	<0.01
FUG 0001 2a	Styrene		16.09	
FUG 0004 2b	Styrene		16.09	
FUG 0005 2c	Styrene		16.09	
FUG 0006 2a	Styrene		16.09	
GRP 0001 PROCESS CAP	Styrene	14.76		41.32
UNF 0001 Entire Facility	Ethyl benzene			0.15
	Methanol			0.09
	Styrene			41.32
	Xylene (mixed isomers)			0.90

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

SPECIFIC REQUIREMENTS

AI ID: 80537 - Pentair Pump Group Inc - Delta Environmental Products
Activity Number: PER20080001
Permit Number: 1740-00014-V4
Air - Title V Regular Permit Renewal

ARE 0001 4 - Painting and Blasting

- 1 [LAC 33:II.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:II.1305.1-7.
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 2 [LAC 33:II.1311.C] Which Months: All Year Statistical Basis: Six-minute average
 Do not use material derived from hazardous, toxic, medical, and/or municipal waste as abrasive material.
- 3 [LAC 33:II.1327.A.1] Particulate matter fines < 10 % by weight of the abrasive that would pass through a No. 80 sieve as documented by the supplier. If supplier documentation is not provided for weight percent of fines in abrasive material, take samples according to ASTM standard ASTM D 75-87.
- 4 [LAC 33:II.1327.A.2] reapproved 1992, before initial use.

- Which Months: All Year Statistical Basis: None specified
 Do not reuse abrasives for abrasive blasting unless they meet the requirements of LAC 33:II.1327.A.2.
 Fully enclose the item, or surround the structure, to be blasted.
- 5 [LAC 33:II.1327.A.3] Re-circulate blast cabinet exhaust to the cabinet or vent to emission control equipment.
- 6 [LAC 33:II.1329.A.1] Exhaust the collection system through effective control equipment with a particulate matter outlet grain loading of 0.05 gr/dscf or less, as documented by the control equipment manufacturer or demonstrated by performance testing.
- 7 [LAC 33:II.1329.B] Ensure that abrasive blasting activities do not create a nuisance.
- 8 [LAC 33:II.1329.D] Maintain stockpiles of new and/or spent abrasive material in a manner that will minimize fugitive airborne emissions.
- 9 [LAC 33:II.1329.F] Use and diligently maintain all emission control equipment in proper working order according to the manufacturer's specifications whenever any emissions are being generated that can be controlled by the facility, even if the ambient air quality standard in affected areas are not exceeded.
- 10 [LAC 33:II.1329.G] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:II.1333.A.1 through A.7 on the facility premises at all times. Present them to an authorized representative of DEQ upon request.
- 11 [LAC 33:II.1329.H] Maintain records on a 36 month rolling basis.
- 12 [LAC 33:II.1333] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:II.2123.F.1 through F.4 to verify exemption from LAC 33:II.2123. Maintain records for at least two years.
- 13 [LAC 33:II.2123.F] The combined total usage of paint, solvent, and thinner: Throughput <= 3000 gallons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the combined total usage of paint, solvent, and thinner exceeds the maximum listed in this specific condition for any twelve consecutive month period.
- 14 [LAC 33:II.501.C.6] Which Months: All Year Statistical Basis: None specified
 Paint, solvent and thinner Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total paint, solvent and thinner each month, as well as the total paint, solvent and thinner for the last twelve months. Make records available for inspection by DEQ personnel.
- 15 [LAC 33:II.507.H.1.a]

EQT 0001 5 - Fiberglass Resin Storage Tank

- 16 [LAC 33:II.507.H.1.a] Fiberglass resin Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total fiberglass resin each month, as well as the total gelcoat for the last twelve months. Make records available for inspection by DEQ personnel.

SPECIFIC REQUIREMENTS

AI ID: 80537 - Pentair Pump Group Inc - Delta Environmental Products

Activity Number: PER20080001

Permit Number: 1740-00014-V4

Air - Title V Regular Permit Renewal

EQT 0002 7 - Filtration System Vent Stack

- Keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety. Subpart WWW.
- Be in compliance at all times with the work practice standards in 40 CFR 63 Subpart WWW Table 4, as well as the organic HAP emissions limits in 40 CFR 63 Subpart WWW Tables 3 or 5, or the organic HAP content limits in 40 CFR 63 Subpart WWW Table 7, as applicable, that are being met without the use of add-on controls. Subpart WWW. [40 CFR 63.5835(a)]
- Conduct performance tests, performance evaluations, and design evaluations using the test methods and procedures specified in 40 CFR 63.5810(a) through (h), as applicable. Subpart WWW.
- Equipment/operational data recordkeeping by electronic or hard copy monthly. Collect and keep records of resin and gel coat use, organic HAP content, and operation where the resin is used, if meeting any organic HAP emissions limits based on an organic HAP emissions limit in 40 CFR 63 Subpart WWW Tables 3 or 5, or if meeting any organic HAP content limits in 40 CFR 63 Subpart WWW Table 7 if averaging organic HAP contents. Subpart WWW. [40 CFR 63.5895(c)]
- Retain the records of resin and gel coats that are demonstrated, as applied, to meet their applicable emission as defined in 40 CFR 63.5810(a), and include the list of these resins and gel coats and identify their application methods in the semiannual compliance reports. If the resin or gel coat changes or the organic HAP content increases, or the application method or controls are changed, demonstrate that the individual resin or gel coat meets its emission limit as specified 40 CFR 63.5810(a). If any of the previously mentioned changes results in a situation where an individual resin or gel coat now exceeds its applicable emission limit in 40 CFR 63 Subpart WWW Table 3 or 5, begin collecting resin and gel coat use records and calculate compliance using one of the averaging options on a 12-month rolling average. Subpart WWW. [40 CFR 63.5895(d)]
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.5915(a) through (e), as applicable. Subpart WWW.
- Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the information specified in 40 CFR 63.5915(a) through (e), as applicable. Subpart WWW.
- Maintain all applicable records in such a manner that they can be readily accessed and are suitable for inspection according to 40 CFR 63.10(b)(1). Keep each record for 5 years following the date of each occurrence, measurement, corrective action, report, or record, as specified in 40 CFR 63.10(b)(1). Keep each record onsite for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1). The remaining 3 years can be kept offsite. Subpart WWW.
- Particulate matter (10 microns or less) > 99 % removal efficiency from filter manufacturer's certification.
- Which Months: All Year Statistical Basis: None specified
- Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
- Which Months: All Year Statistical Basis: None specified
- Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- Filtration System Vent Stacks (including gaskets): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

SPECIFIC REQUIREMENTS

AI ID: 80537 - Pentair Pump Group Inc - Delta Environmental Products
Activity Number: PER20080001
Permit Number: 1740-00014-V4
Air - Title V Regular Permit Renewal

EQT 0002 7 - Filtration System Vent Stack

- 29 [LAC 33:II.507.H.1.a] Filtration System Vent Stacks (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
 Which Months: All Year Statistical Basis: None specified

FUG 0003 6 - Grinding Operations

- 30 [LAC 33:II.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:II.1305.1-7.

GRP 0001 PROCESS CAP - Fiberglass Manufacturing Building

Group Members: FUG 0001 FUG 0004 FUG 0005 FUG 0006

- 31 [40 CFR 63.5796] Table 3 of 40 CFR 63 Subpart WWW - National Emissions Standards for Hazardous Air Pollutants : Reinforced Plastics Composites Production- emissions factors for the mechanical/non-atomized application and the atomized mechanical application with robotic or automated spray control for determining styrene emissions for Emission Point No. Process CAP shall be used to ensure compliance with MACT. The styrene emission factor in pounds of styrene emitted per ton of unsaturated polyester resin or gel coat shall be determined, for each batch of resin and gel coat used/purchased, from the Table 3 of 40 CFR 63 Subpart WWW.

The rolling 12-month weighted average emission factor shall not exceed 87 lbs of styrene emitted per ton of either resin or gel coat used or processed.N

The highest organic HAP content for a compliant resin or gel coat used or processed shall not exceed 38.4% by weight.

Documentation shall be acquired and maintained denoting the styrene content and quantity of each batch of both resin and gelcoat purchased (e.g. Invoice, Vendor Profile/Specification Sheet, Product Sheet, etc.).

The permittee shall implement Maximum Achievable Control Technology (MACT) Requirements. The permittee shall implement Maximum Achievable Control Technology (MACT) Requirements pursuant to 40 CFR 63 Subpart WWW - National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production. Permittee shall utilize a non-atomized mechanical application and/or atomized mechanical controlled spray line (flow coater/flow chop applicator) and a suppressed or unsuppressed unsaturated polyester resin or gel coat. Permittee shall achieve a rolling 12-month average emission factor no greater than 87 lbs of styrene per ton of resin or gel coat used or processed.
 Styrene <= 87 lb/ton. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division in writing if the rolling twelve-month weighted average emission factor exceeds the maximum listed in this specific condition for any twelve consecutive month period. Effective April 21, 2006.
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 80537 - Pentair Pump Group Inc - Delta Environmental Products
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GRP 0001 PROCESS CAP - Fiberglass Manufacturing Building

- 33 [40 CFR 63.5805(d)] Organic HAP > 95 % reduction by weight. Subpart WWW. [40 CFR 63.5805(d)(1)]
 Which Months: All Year Statistical Basis: None specified
 Styrene <= 87 lb/ton. Subpart WWW.
- Which Months: All Year Statistical Basis: None specified
 Do not use cleaning solvents that contain HAP, except that styrene may be used as a cleaner in closed systems, and organic HAP containing cleaners may be used to clean cured resin from application equipment. Subpart WWW.
- Compliance demonstration (method 3): Demonstrate compliance with a weighted average emission limit by demonstrating each month that each applicable weighted average of the organic HAP emissions limits in 40 CFR 63 Subpart WWW Table 3 or Table 5 are met using the procedures specified in 40 CFR 63.5810(c)(1) through (c)(3). Subpart WWW. [40 CFR 63.5810(c)]
- Use one of the methods in 40 CFR 63.5810(a) through (d) to meet the standards in 40 CFR 63 Subpart WWW Table 3 or 5. Any control method that reduces organic HAP emissions may be used, including reducing resin and gel coat organic HAP content, changing to nonautomated mechanical application, using covered curing techniques, and routing part or all of the emissions to an add-on control. Different compliance options may be used for the different operations listed in 40 CFR 63 Subpart WWW Table 3 or 5. Complete the necessary calculations within 30 days after the end of each month. You may switch between the compliance options in 40 CFR 63.5810(a) through (d). Subpart WWW. Be in compliance at all times with the work practice standards in 40 CFR 63 Subpart WWW Table 4, as well as the organic HAP emissions limits in 40 CFR 63 Subpart WWW Tables 3 or 5, or the organic HAP content limits in 40 CFR 63 Subpart WWW Table 7, as applicable.
- Conduct performance tests, performance evaluations, and design evaluations using the test methods and procedures specified in 40 CFR 63.5850(a) through (h), as applicable. Subpart WWW.
- Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence. Collect and keep records of resin and gel coat use, styrene content, and operation where the resin is used, if meeting any organic HAP emissions limits based on a styrene emissions limit in 40 CFR 63 Subpart WWW Tables 3 or 5, or if meeting any organic HAP content limit in 40 CFR 63 Subpart WWW Table 7 if averaging organic HAP contents. Subpart WWW. [40 CFR 63.5895(c)]
- Retain the records of resin and gel coats that are demonstrated, as applied, to meet their applicable emission as defined in 40 CFR 63.5810(a), and include the list of these resins and gel coats and identify their application methods in the semiannual compliance reports. If the resin or gel coat changes or the styrene content increases, or the application method or controls are changed, demonstrate that the individual resin or gel coat meets its emission limit as specified 40 CFR 63.5810(a). If any of the previously mentioned changes results in a situation where an individual resin or gel coat now exceeds its applicable emission limit in 40 CFR 63 Subpart WWW Table 3 or 5, begin collecting resin and gel coat use records and calculate compliance using one of the averaging options on a 12-month rolling average. Subpart WWW. [40 CFR 63.5895(d)]
- Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the information specified in 40 CFR 63.5915(a) through (e), as applicable. Subpart WWW.
- Maintain all applicable records in such a manner that they can be readily accessed and are suitable for inspection according to 40 CFR 63.10(b)(1). Keep each record for 5 years following the date of each occurrence, measurement, corrective action, report, or record, as specified in 40 CFR 63.10(b)(1). Keep each record onsite for at least 2 years after the date of each occurrence, measurement, corrective action, report, or record, according to 40 CFR 63.10(b)(1). The remaining 3 years can be kept offsite. Subpart WWW.

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GRP 0001 PROCESS CAP - Fiberglass Manufacturing Building

44 [LAC 33:III.501.C.6] The CFA Emissions Factors for the Reinforced Plastics Industries (mechanical/non-atomized and atomized application) for determining styrene emissions for Emission Point Process CAP shall be used to ensure compliance with MACT. The styrene emission factor in pounds of styrene emitted per ton of unsaturated polyester resin or gel coat shall be determined; for each batch of resin and gel coat used/purchased, from the Composite Fabricators Association (CFA) table entitled "Unified Emission Factors for Open Molding of Composites" dated July 23, 2001. When using Mechanical non-atomized or atomized application with vapor suppressed resin (VSR), the VSR reduction factor used in the equation in the table shall be determined for each resin/suppressant formulation or gel coat using the CFA Vapor Suppressant Effectiveness Test Protocol.

The rolling 12-month weighted average emission factor shall not exceed 87 lbs of styrene emitted per ton of either resin or gel coat used or processed. Notify the Office of Environmental Compliance, Enforcement Division in writing, if the rolling twelve-month weighted average emission factor exceeds the maximum listed in this specific condition for any twelve consecutive month periodF

□ Documentation shall be acquired and maintained denoting the styrene content and quantity of each batch of both resin and gelcoat purchased (e.g. Invoice, Vendor Profile/Specification Sheet, Product Sheet, etc.).

Submit report: Due annually, by the 31st of March. Report the total calculated styrene emissions and the lb of styrene per ton of resin and/or gel coat used for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.

Equipment/Operational data: The combined total usage of resin and gel coat Throughput (surrogate for Styrene) <= 950 tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the combined total usage of resin and gelcoat exceeds the maximum listed in this specific condition for any twelve consecutive month period.

Which Months: All Year Statistical Basis: None specified

Compliance with NESHAP 40 CFR 63 Subpart WWW has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2.

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Notify DEQ in the compliance report if the 100 tpy threshold is met or exceeded in any calendar year. A one-time exemption from the requirements of 40 CFR 63.5805(a)(1) or (d) may be requested at the same time if it can be demonstrated that the exceedance of the threshold was due to circumstances that will not be repeated, the average annual organic HAP emissions from the potentially affected operations for the last 3 years were below 100 tpy, and projected organic HAP emissions for the next calendar year are below 100 tpy, based on projected resin and gel coat use and the HAP emission factors calculated according to the procedures in 40 CFR 63.5799. Subpart WWW .[40 CFR 63.5805(e)] Notify DEQ in the semianual report if exceeding the HAP emission thresholds specified in 40 CFR 63.5805(a)(2) or (c) within 12 months after having applied for a exemption under 40 CFR 63.5805(e), and comply with 40 CFR 63.5805(a)(1) or (d) within 3 years from the time the organic HAP emissions first exceeded the threshold. Subpart WWW .[40 CFR 63.5805(f)]

Always operate and maintain the affected source, including air pollution control and monitoring equipment, according to the provisions in-40 CFR 63.6(e)(1)(i). Subpart WWW .[40 CFR 63.5835(c)] Develop and implement a written startup, shutdown, and malfunction plan according to the provisions in 40 CFR 63.6(e)(3) for any organic HAP emissions limit being met using an add-on control. Subpart WWW .[40 CFR 63.5835(d)]

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- 52 [40 CFR 63.5905(b)]
Submit amended notification: Due in writing to DEQ within 15 calendar days after the change, if any information submitted in any notification has changed. Subpart WWWW. [40 CFR 63.5905(b)]
- 53 [40 CFR 63.5910]
Submit compliance status report: Due semiannually, by the 31st of January and July. Include the information specified in 40 CFR 63 Subpart WWWW Table 14 and 40 CFR 63.5910(c) through (i), as applicable. Subpart WWWW.
- 54 [40 CFR 63.5910]
Submit startup, shutdown, malfunction report: Due by fax or telephone within 2 working days after starting actions inconsistent with the startup, shutdown, and malfunction plan. Report the actions taken for the event. Subpart WWWW.
- 55 [40 CFR 63.5910]
Submit startup, shutdown, malfunction report: Due by letter within 7 working days after the end of a startup, shutdown or malfunction that is not consistent with the startup, shutdown and malfunction plan, unless alternative arrangement have been made with DEQ. Report the information specified in 40 CFR 63.10(d)(5)(ii). Subpart WWWW.
- Maintain all applicable records in such a manner that they can be readily accessed and are suitable for inspection according to 40 CFR 63.10(b)(1). Keep each record for 5 years following the date of each occurrence, measurement, corrective action, report, or record, as specified in 40 CFR 63.10(b)(1). Keep each record onsite for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1). The remaining 3 years can be kept offsite. Subpart WWWW.
- All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Table 3 of 40 CFR 63 Subpart WWWW.
- 56 [40 CFR 63.5920]
Submit Title V permit application for renewal: Due 6 months before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 57 [40 CFR 63]
Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 58 [40 CFR 70.5.a.1.(iii)]
Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. [40 CFR 70.6(a)(3)(iii)(B)]
- 59 [40 CFR 70.6.a.3.(iii)(A)]
Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 60 [40 CFR 70.6.a.3.(iii)(B)]
Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.11.111 or intensify an existing traffic hazard condition are prohibited.
- 61 [40 CFR 70.6.c.5.(iv)]
Outdoor burning of waste material or other combustible material is prohibited.
- 62 [LAC 33:III.1103]
Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.

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- 65 [LAC 33:III.2113.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.
- If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.
- Include a certification statement with the annual emission report and revisions to any emission report that attests that the information contained in the emission report is true, accurate, and complete, and that is signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official.
- Submit Annual Emissions Report (TEDI): Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.
- Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).
- Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:III.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.3923.
- Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:III.3931.
- Submit notification in the manner provided in LAC 33:III.3923.
- Submit written report: Due by certified mail to SPOC within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through B.3. Include the information specified in LAC 33:III.5107.B.4.a through B.4.a.viii.
- Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, IF THEY CAN BE MEASURED AND CAN BE RELIABLY QUANTIFIED USING GOOD ENGINEERING PRACTICES, to DEQ along with the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.

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76 [LAC 33.III.5109]

The permittee shall implement Maximum Achievable Control Technology (MACT) Requirements. The permittee shall implement Maximum Achievable Control Technology (MACT) Requirements pursuant to LAC 33.III.5109, Emission Control and Reduction Requirements and Standards. Permittee shall utilize a non-atomized mechanical and/or atomized application (flow coater/flow chop applicator) and a suppressed or unsuppressed unsaturated polyester resin. Permittee shall achieve a rolling 12-month average emission factor no greater than 87 lbs of styrene per ton of resin used or processed. Permittee shall utilize a non-atomized mechanical and/or atomized application (flow coater/flow chop applicator) and a suppressed or unsuppressed unsaturated polyester resin. Permittee shall achieve a rolling 12-month average emission factor no greater than 87 lbs of styrene per ton of resin used or processed. Styrene <= 87 lb/ton. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the rolling twelve-month weighted average emission factor exceeds the maximum listed in this specific condition for any twelve consecutive month period.

Which Months: All Year Statistical Basis: None specified

Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency. Due within 30 days after requested by the administrative authority.

During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.

Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33.III.919.A-D.

77 [LAC 33.III.5611.A]

78 [LAC 33.III.5611.B]

79 [LAC 33.III.919.D]